AMENDMENTS TO THE CLAIMS

1. (currently amended) An exhaust gas purification apparatus for an engine, comprising:

a catalytic converter provided in an exhaust path of said engine and including a carrier, an HC absorbent carried on said carrier for absorbing HC in exhaust gas of said engine, an HC purifying catalyst carried on said carrier and capable of purifying the HC desorbed from said HC absorbent, and a transition metal carried on said carrier for absorbing CO in the exhaust gas; and

a control apparatus for controlling operation of said engine, said control apparatus including HC desorption timing estimation means for estimating a timing at which the HC is desorbed from said HC absorbent and control means for controlling an air fuel ratio upon starting of said engine to a ratio richer than a stoichiometric air fuel ratio to start operation of said engine, and changing over the air fuel ratio to a ratio leaner than the stoichiometric air fuel ratio at the timing at which the HC is desorbed based on an output of said HC desorption timing estimation means, and maintaining the air fuel ratio at the ratio leaner than the stoichiometric air fuel ratio for a period of time determined based on an actual temperature of the HC absorbent.

2. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said HC absorbent is

carried in a layered state on a surface of said carrier, and said HC purifying catalyst is carried in a layered state on a surface of the layer of said HC absorbent.

- 3. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said transition metal is carried in a layer of said HC purifying catalyst.
- 4. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said transition metal is nickel.
- 5. (original) The exhaust gas purification apparatus for an engine as claimed in claim 4, wherein the nickel is contained by approximately 20 to 30 g/L in the form of NiO.

wherein, said HC desorption timing estimation means estimates estimating—the timing at which the HC is desorbed based on an output of said temperature detection means.

- 7. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said HC desorption timing estimation means estimates the timing at which the HC is desorbed based on an elapsed period of time after the starting of said engine.
- 8. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said HC desorption timing estimation means estimates the timing at which the HC is desorbed based on a total fuel injection amount of said engine after the starting of said engine.
- 9. (currently amended) The exhaust gas purification apparatus for an engine as claimed in claim 7, further comprising:

 _____water temperature detection means for detecting a temperature of cooling water of said engine,

wherein said HC desorption timing estimation means estimates estimating the timing at which the HC is desorbed additionally based on temperature information detected by said water temperature detection means.

10. (currently amended) The exhaust gas purification apparatus for an engine as claimed in claim 8, further comprising:

____water temperature detection means for detecting a temperature of cooling water of said engine,

wherein said HC desorption timing estimation means estimates estimating the timing at which the HC is desorbed additionally based on temperature information detected by said water temperature detection means.

- 11. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said HC absorbent is zeolite.
- 12. (currently amended) The exhaust gas purification apparatus for an engine as claimed in claim 1, further comprising ____air fuel ratio detection means for detecting an air fuel ratio after said catalytic converter,

wherein, said HC desorption timing estimation means estimates estimating—the timing at which the HC is desorbed based on an output of said air fuel ratio detection means.

13. (original) The exhaust gas purification apparatus for an engine as claimed in claim 1, wherein said catalytic converter is provided at a downstream portion of said exhaust path.

14. (original) The exhaust gas purification apparatus for an engine as claimed in claim 13, wherein said engine and said catalytic converter are directly connected to each other without intervention of any other catalytic converter.